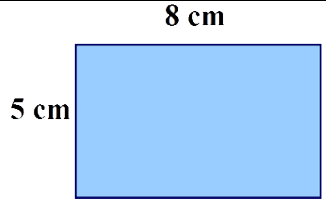
Year 7 Strand 1

Topic/Skill	Definition/Tips	Example
1. Integer	A **whole number** that can be positive, negative or zero.	-3, 0, 92
2. Decimal	A number with a **decimal point** in it. Can be positive or negative.	3.7, 0.94, -24.07
3. Negative Number	A number that is **less than zero**. Can be decimals.	-8, -2.5
4. Rounding	To make a number simpler but keep its value close to what it was. If the **digit to the right** of the rounding digit is **less than 5, round down**. If the **digit to the right** of the rounding digit is **5 or more, round up**.	74 rounded to the nearest ten is 70, because 74 is closer to 70 than 80. 152,879 rounded to the nearest thousand is 153,000.
5. Decimal Place	The **position** of a digit to the **right of a decimal point**.	In the number 0.372, the 7 is in the second decimal place. 0.372 rounded to two decimal places is 0.37, because the 2 tells us to round down.
6. Significant Figure	The significant figures of a number are the digits which **are important** (ie. are significant) to the size of the number. The **first significant figure** of a number **cannot be zero**.	19357 rounded to 3 significant figures is 19400. The two zeros are included at the end to keep the digits in the same place value columns. In the number 0.00821, the first significant figure is the 8.
7. Addition	To find the **total**, or **sum**, of two or more numbers. 'add', 'plus', 'sum'	3 + 2 + 7 = 12
8. Subtraction	To find out how many are left when some are taken away. 'minus', 'take away', 'subtract', 'difference'	10 – 3 = 7
9. Perimeter	The **total distance** around the **outside** of a shape. Units include: mm, cm, m etc.	 $P = 8 + 5 + 8 + 5 = 26cm$
10. Inequality	An inequality says that two values are **not equal**. $a \neq b$ means that a is not equal to b.	$7 \neq 3$ $x \neq 0$
11. Inequality symbols	$x > 2$ means **x is greater than 2** $x < 3$ means **x is less than 3** $x \geq 1$ means **x is greater than or equal to 1** $x \leq 6$ means **x is less than or equal to 6**	State the integers that satisfy $-2 < x \leq 4$. -1, 0, 1, 2, 3, 4